

### ABSTRACT

~~Provided is a Δ triple effect absorption refrigerating machine comprising a high temperature regenerator GH, an intermediate temperature regenerator GM, a low temperature regenerator GL, a condenser C, an absorber A, an evaporator E, an auxiliary regenerator GX and an auxiliary absorber AX, said absorption refrigerating machine having either one of several combinations of paths for guiding a refrigerant among the components: one consisting of a path for guiding a dilute solution from the absorber A to the auxiliary regenerator GX, while returning a solution in the auxiliary regenerator GX back to the absorber A, a path guiding a solution in the auxiliary absorber AX to the low temperature regenerator GL, while returning a solution in the low temperature regenerator GL back to the auxiliary absorber AX and a path for guiding a refrigerant vapor generated in the auxiliary regenerator GX to the auxiliary absorber AX; or the other consisting of a path for guiding a dilute solution from the absorber A to the auxiliary absorber AX, while guiding a dilute solution in the auxiliary absorber AX to the low temperature regenerator GL, a path for returning a solution in the low temperature regenerator GL back to the absorber A via the auxiliary regenerator GX and a path for guiding a refrigerant vapor generated in the auxiliary regenerator GX to the auxiliary absorber AX, wherein said absorption refrigerating machine further includes a path for guiding a refrigerant vapor generated in the intermediate temperature regenerator GM to the low temperature regenerator GL and the auxiliary regenerator GX in heating sections thereof and a path for guiding a refrigerant vapor generated in the high temperature regenerator GH to the intermediate temperature regenerator GM in a heating section thereof, thereby enabling an intermediate cycle between a double effect cycle and a triple effect cycle and thus successfully suppressing a pressure or a solution temperature in the high temperature regenerator to be or below respective predetermined values.~~